

Title (en)  
Unmanned aerial vehicle (UAV) deceleration system

Title (de)  
Verlangsamungssystem für ein unbemanntes Fluggerät

Title (fr)  
Système de décélération pour véhicule aérien télépiloté

Publication  
**EP 1602576 A2 20051207 (EN)**

Application  
**EP 05090154 A 20050530**

Priority  
IL 16222404 A 20040530

Abstract (en)  
A system (10) for slowing an air vehicle (12), including an independently supported aerodynamic drag device (14) designed so that, after contact is made between the flying air vehicle and the aerodynamic drag device (14), one or more parts of the aerodynamic drag device are carried along by the air vehicle (12) thereby decelerating the air vehicle (12), so that a majority of a kinetic energy dissipation of a combination of the air vehicle (12) and the aerodynamic drag device (14) is due to an aerodynamic drag of the aerodynamic drag device

IPC 1-7  
**B64C 39/02**; **B64F 1/02**

IPC 8 full level  
**B64C 39/02** (2006.01); **B64F 1/02** (2006.01)

IPC 8 main group level  
**B64D** (2006.01)

CPC (source: EP US)  
**B64F 1/027** (2020.01 - EP US); **B64U 70/30** (2023.01 - EP US)

Citation (applicant)  

- US 6416019 B1 20020709 - HILLIARD DONALD PATRICK [US], et al
- US 5560568 A 19961001 - SCHMITTLE HUGH [US]
- US 4753400 A 19880628 - REUTER JAMES D [US], et al
- US 4147317 A 19790403 - MAYHEW HARRY E, et al
- US 5109788 A 19920505 - HEINZMANN WERNER [DE]
- WO 0107318 A1 20010201 - ADVANCED AEROSPACE TECHNOLOGIE [US], et al

Cited by  
WO2007132025A1; WO2008029384A1; US8115665B2; WO2008015663A1; US8276844B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1602576 A2 20051207**; **EP 1602576 A3 20081126**; **EP 1602576 B1 20110406**; AT E504494 T1 20110415; DE 602005027287 D1 20110519; IL 162224 A0 20051120; IL 162224 A 20110331; US 2007023568 A1 20070201; US 7611094 B2 20091103

DOCDB simple family (application)  
**EP 05090154 A 20050530**; AT 05090154 T 20050530; DE 602005027287 T 20050530; IL 16222404 A 20040530; US 13948305 A 20050531